

WIRE DRAG

6932

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Form 504	
U. S. COAST AND GEODETIC SURVEY DEPARTMENT OF COMMERCE	
DESCRIPTIVE REPORT	
Type of Survey	HYDROGRAPHIC (WIRE DRAG)
Field No. 1111	Office No. H-6932
LOCALITY	
State	MAINE
General locality	CASCO BAY
Locality	OFF BAILEY ISLAND
1944	
CHIEF OF PARTY	
L. C. Johnson	J. H. Brittain
LIBRARY & ARCHIVES	
DATE	JUL 9 1945

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO. H-6932

HYDROGRAPHIC TITLE SHEET

The Hydrographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

REGISTER No. 1444

Field No. H-6932

State MAINE

General locality CASCO BAY

Locality OFF BAILEY ISLAND

Scale 1:10,000 Date of survey July - August 1944

Instructions dated 3-11-42; 3-16-43 and 3-11-44

Vessel WAINWRIGHT and HILGARD

Chief of party L. C. Johnson & J. H. Brittain

Surveyed by L. C. Johnson & J. H. Brittain

Soundings taken by fathometer, graphic recorder, hand lead, ~~wire~~

Protracted by R. J. Auld

Soundings penciled by _____

Soundings in ~~fathoms~~ feet at MLW ~~MLW~~

REMARKS: This sheet was processed in the Hydrographic Section of the

S.E. District, Norfolk, Va.

DESCRIPTIVE REPORT
to accompany
Sheet 1444 (field No.)

Project CS-265 Coast of Maine 1944

U. S. C. & G. S. L. WAINWRIGHT, L. C. Johnson, Chief of Party.
U. S. C. & G. S. L. HILGARD, J. H. Brittain, Chief of Party.

INSTRUCTIONS;

This survey was accomplished under SUPPLEMENTAL
INSTRUCTIONS dated March 11, 1942, March 16, 1943 and March 11, 1944. ✓

LIMITS:

This sheet covers an area to the south of Baily Island, ✓
Maine, that had to be omitted previously, due to war restrictions.

METHODS:

This survey was accomplished with the Launches WAINWRIGHT
and HILGARD as drag launches, and Launch 101 as tender. Standard dual
control methods were used, the drag strips being controlled by three-
point fixes on shore objects. The depth of the drag was determined by ✓
tests made from the tender, using a graduated 3/8" pipe coated with a
mixture of white lead and tallow, and suspended by a graduated 1/8"
wire cable.

RESULTS:

No ~~important~~ difference with the charted soundings were
noted. ✓

MISCELLANEOUS:

There were two sono-buoys anchored in the area. One in
lat. $43^{\circ} 42'14$, long. $70^{\circ} 01'12$ and another in lat. $43^{\circ} 41'18$, long. 70°
 $01'14$. As it did not seem desirable to "V" on these buoys, due to the
possibility of fouling same, small areas at the buoys were not covered
by the drag.

CONTROL:

Stations located by Triangulation and graphic control ex- ✓
ecuted in 1941 and 1942 furnished adequate control for this survey.

TIDES:

Data from the automatic tide gage at Portland, Maine, ✓
was used to reduce the drag depths to Mean Low Water. No time or
height corrections were applied.

STATISTICS:

Date	Day	Stat. Mi. drag strip	No. Positions	No. Soundings
July 19, 1944	A	2.9	31	3
August 7,	B	8.5	64	2
August 8,	C	6.4	60	0

Statute miles of area covered 3.2

L. C. Johnson
L. C. Johnson, Lt. Comdr. C&GS

J. H. Brittain
J. H. Brittain, Lt. Comdr. C&GS.

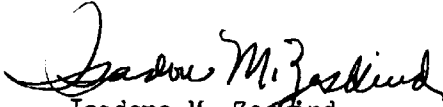
A D D E N D U M

to accompany

WIRE DRAG SHEET H-6932 (Field 1444)


This sheet was processed in the Hydrographic Section of the
Southeastern District, Norfolk, Virginia.

Respectfully submitted,


Isadore M. Zeskind
Cartographic Engineer

Norfolk, Va.
July 6, 1945

Approved & Forwarded


Paul C. Whitney
Supervisor Southeastern District

GEOGRAPHIC NAMES

Survey No. **H6932**

Name on Survey	Source of Name											
	A	B	C	D	E	F	G	H	I	J		
<u>Casco Bay</u>										U.S. & B.	1	
<u>Mericoneag Sound</u>				437	700						2	
<u>Bailey Island</u>				437	699						3	
<u>Jagvish Island</u>				437	700						4	
<u>Haskell Island</u>				4							5	
											6	
											7	
											8	
											9	
				Names underlined in red represent L Heck 11/18/46								10
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Surveys Section (Chart Division)

HYDROGRAPHIC SURVEY NO. **H6932**

Records accompanying survey:

Boat sheets .1...; sounding vols.; wire drag vols. 4...;
 bomb vols.; graphic recorder rolls;
 special reports, etc. ~~A & D sheet~~.....

The following statistics will be submitted with the cartographer's report on the sheet:

Number of positions on sheet	155.
Number of positions checked	..14..
Number of positions revised	..2..
Number of soundings recorded	..5..
Number of soundings revised (refers to depth only)	..0..
Number of soundings erroneously spaced	..0..
Number of signals erroneously plotted or transferred	..0..
Topographic details	Time ..1...hr
Junctions	Time ..39.."
Verification of soundings from graphic record	Time ..0..

Verification by *R.D. Goodrich* Total time *7.8* hrs. Date *Jan. 16, 1946*

Review by *G.F. Jordan* Time *..18..* Date *Jan. 28, 1946*

E.A.L.
H.W.M.

TIDE NOTE FOR HYDROGRAPHIC SHEET

~~Division of Hydrography and Topography~~

July 17, 1945

Division of Charts: Attention: H. W. Murray

Plane of reference approved in
4 volumes of sounding records for

HYDROGRAPHIC SHEET 6932

Locality Near Bailey Island, Maine.

Chief of Party: L. C. Johnson & John H. Brittain in 1944

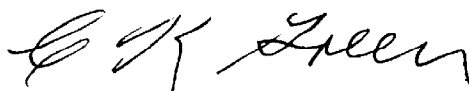
Plane of reference is mean low water, reading

8.6 ft. on tide staff at Portland, Maine

19.0 ft. below B. M. 31

Height of mean high water above plane of reference is 8.9 feet.

Condition of records satisfactory except as noted below:



Chief, Division of Tides and Currents.

DIVISION OF CHARTS

REVIEW SECTION - NAUTICAL CHART BRANCH

REVIEW OF HYDROGRAPHIC SURVEY

REGISTRY NO. 6932 WD

FIELD NO. 1444

Maine, Casco Bay, off Bailey Island
Surveyed in July and August, 1944 Scale 1:10,000
Project No. CS 265

Soundings:

Control:

Hand lead

Three-point fix on shore signals

Chief of Party - L. C. Johnson and J. H. Brittain
Surveyed by - L. C. Johnson and J. H. Brittain
Protracted by - R. J. Auld
Verified by - R. D. Goodrich
Reviewed by - G. F. Jordan, Jan. 28, 1946
Inspected by - H. W. Murray

1. Control and Shoreline

The control is from 1933 triangulation and graphic control surveys T-6849a (1941), T-6851 (1941) and T-6929b (1942).

The shoreline is from air photo manuscript T-5960.

2. Junctions with Wire Drag Surveys

The present survey makes satisfactory junctions with H-6922 (1943-45) WD, H-6662 (1941) WD and H-6670 (1941) WD.

3. Comparison with Hydrographic Surveys

The effective depths of the wire drag do not conflict with the depths on hydrographic surveys H-6732 (1941-43) and H-6661 (1941).

4. Comparison with Chart 201 (Latest print of Jan. 25, 1945)
Chart 315 (Latest print of Dec. 1, 1945)

The present survey is in agreement with these charts.

5. Condition of the Survey

The sounding records, descriptive report and smooth plotting are satisfactory.


6. Compliance with Instructions


The present survey complies with instructions for the project and covers the area designated.

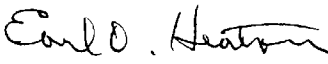
7. Additional Work

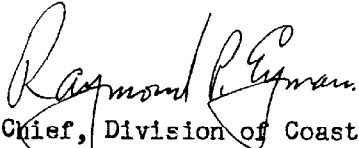
No additional work is recommended.

Examined and approved:


Chief, Nautical Chart Branch


Chief, Chart Division


Chief, Section of Hydrography


Chief, Division of Coastal Surveys

